Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/05/2020 11:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125348	0	1.67	125459	1.66
Blue	F	SSC	125000	123584	-2	1.77	124349	1.74
Blue	E	FITC	15892	15479	-3	2.75	337	20.91
Blue	D	PE	29999	29697	-2	1.97	645	14.89
Blue	B	PerCP-Cy5-5	43732	43439	-1	3.62	1165	20.53
Blue	A	PE-Cy7	30845	30866	0	6.16	595	40.92
Red	C	APC	46112	45565	-2	2.59	1612	11.98
Red	A	APC-Cy7	30458	29534	-4	2.41	778	11.96
Violet	B	V450	7918	7512	-6	4.70	421	13.41
Violet	A	V500	32171	31038	-4	4.48	725	10.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17517	8.27	625	4	N/A	N/A	Pass
Blue	F	SSC	56350	1.32	565	6	N/A	N/A	Pass
Blue	E	FITC	61	65.51	544	1	0.0181	121	Pass
Blue	D	PE	135	50.47	551	3	0.1620	280	Pass
Blue	B	PerCP-Cy5-5	216	50.41	657	1	0.0089	66	Pass
Blue	A	PE-Cy7	109	103.39	700	2	0.0108	20	Pass
Red	C	APC	385	26.00	588	4	0.0262	283	Pass
Red	A	APC-Cy7	171	28.63	559	3	0.0056	899	Pass
Violet	B	V450	64	58.33	455	-3	0.0460	1646	Pass
Violet	A	V500	109	34.55	472	-2	0.0240	975	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.82	-32.28	1.06
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.44
Red	16.12	13.60 - 20.40	N/A	N/A	29.60	30.16	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 11116

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments